

Certificate of Analysis

Product Name: Recombinant Human BMP-4

Cat No: HST-B4-0010, HST-B4-0100, HST-B4-1000

Lot No: SI1501

Size: 10ug/vial, 100ug/vial, 1000ug/vial

Source: Expressed in human cell line cultured in serum-free and chemically defined medium.

Structure: Glycosylated homodimer

Physical Appearance: White freeze-dried powder

Purity: > 95% by SDS-PAGE

Specific Activity: 2.0-10.0ng/ml for ED50 measured by its ability to induce alkaline phosphatase production in the ATDC-5 cell line.

Endotoxin Level: < 0.5EU/ug by LAL assay

Molecular Weight: 34-40kDa

Formulation: Lyophilized in PBS without carrier protein.

Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Reconstitution: Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 4mM HCl containing 0.1% endotoxin-free recombinant human serum albumin.

Storage Condition: Upon reconstitution, store at 2-8°C for up to one month under aseptic condition. For long term storage, aliquot and store at -80°C is recommended for retention of full activity. Avoid repeated freeze/thaw cycles.

Authorization

Released by:  _____

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